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no error message may be presented and instead no device function is enabled. If a given shape does have a pre-set function, then another determination is made as to whether the function is a camera (1626), videoconferencing system (1628), or media player (1630). If one of these determinations is made that a pre-set function exists, then the function is enabled as shown (1632). However, if these determinations fail, then another determination is made as to whether the shape generates an electrical or electronic request for a recognized function (1634). If the request indicates a recognized function, then another determination is made as to whether the current shape (i.e., configuration) can support the given function (1636). If the shape can support the given function, then the function is enabled. If the shape cannot support the given function or if the shape does not generate a request for a recognized function, then an error message is displayed (1624). Alternatively, if the shape cannot support the given function or does not generate a request for a recognized function, then no error message may be displayed and, instead, no function is enabled. Functions, as described above, may be any type of media operation (e.g., camera, media player, image/video/audio/multimedia recording, videoconferencing, video calling, mobile communications, and others), such as those described above. Further, the above-described process 1620 may be varied in processes, operations, functions, order, or implementation and is not limited to the descriptions provided.

FIG. 17 illustrates an exemplary computing environment suitable for configurable multi-dimensional media computing. In some examples, computer system 1700 may be used to implement computer programs, applications, methods, processes, or other software to perform the above-described techniques. Computer system 1700 includes a bus 1702 or other communication mechanism for communicating information, which interconnects subsystems and devices, such as processor 1704, system memory 1706 (e.g., RAM), storage device 1708 (e.g., ROM), disk drive 1710 (e.g., magnetic or optical), communication interface 1712 (e.g., modem or Ethernet card), display 1714 (e.g., CRT or LCD), input device 1716 (e.g., keyboard), and cursor control 1718 (e.g., mouse or trackball).

According to some examples, computer system 1700 performs specific operations by processor 1704 executing one or more sequences of one or more instructions stored in system memory 1706. Such instructions may be read into system memory 1706 from another computer readable medium, such as static storage device 1708 or disk drive 1710. In some examples, hard-wired circuitry may be used in place of or in combination with software instructions for implementation.

The term "computer readable medium" refers to any medium that participates in providing instructions to processor 1704 for execution. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media includes, for example, optical or magnetic disks, such as disk drive 1710. Volatile media includes dynamic memory, such as system memory 1706. Transmission media includes coaxial cables, copper wire, and fiber optics, including wires that comprise bus 1702. Transmission media can also take the form of acoustic or light waves, such as those generated during radio wave and infrared data communications.

Common forms of computer readable media includes, for example, floppy disk, flexible disk, hard disk, magnetic tape, any other magnetic medium, CD-ROM, any other optical medium, punch cards, paper tape, any other physical medium with patterns of holes, RAM, PROM, EPROM, FLASH-

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EPROM, any other memory chip or cartridge, carrier wave, or any other medium from which a computer can read.

In some examples, execution of the sequences of instructions may be performed by a single computer system 1700. According to some examples, two or more computer systems 1700 coupled by communication link 1720 (e.g., LAN, PSTN, or wireless network) may perform the sequence of instructions in coordination with one another. Computer system 1700 may transmit and receive messages, data, and instructions, including program, i.e., application code, through communication link 1720 and communication interface 1712. Received program code may be executed by processor 1704 as it is received, and/or stored in disk drive 1710, or other non-volatile storage for later execution.

The foregoing examples have been described in some detail for purposes of clarity of understanding, but are not limited to the details provided. There are many alternative ways and techniques for implementation. The disclosed examples are illustrative and not restrictive.

What is claimed:

1. A system, comprising:

a display matrix comprising three or more display panels, wherein each respective one of the display panels is configured to rotate about one or more shared rotational axis with respect to each of other ones of the display panels disposed adjacent the respective one of the display panels such that the three or more display panels are foldable into a plurality of different shapes, wherein each of the shared rotational axes is substantially parallel or substantially orthogonal to each of the other shared rotational axes,

wherein the system is configured to provide a plurality of operating functions, wherein each of the plurality of operating functions is associated with one or more of the plurality of shapes, and wherein the display panels are configured to display one or more functions corresponding to one or more of the plurality of operating functions associated with each particular one of the plurality of shapes; and

a processor configured to:

determine the shape of the display matrix; and

implement one or more of the operating functions associated with the determined shape of the display matrix, wherein implementing one or more of the operating functions associated with the determined shape of the display matrix comprises at least one of the display panels displaying a particular function corresponding to an operating function associated with the determined shape.

2. The system of claim 1, further comprising a memory storing an application, the application being configured to provide at least one of the one or more operating functions when executed.

3. The system of claim 1, wherein at least one of the display panels comprises an audio speaker configured to generate an acoustic signal from data provided by the processor.

4. The system of claim 1, wherein each of the display panels is rectangular in shape.

5. The system of claim 1, wherein each of the display panels is substantially square in shape, and wherein the one or more shared rotational axes are substantially parallel to edges of the substantially square shaped display panels to form a grid of three or more display panels.

6. The system of claim 1, wherein each of the three or more display panels comprises a two-sided display panel having top and bottom display areas facing opposite directions with respect to one another, and wherein each of the top and